

Product data sheet

Specifications



soft starter for asynchronous motor,
Altistart 48, 180A, 208..690V,
45..200kW

ATS48C21Y

⚠ Discontinued - Service only

⚠ Discontinued on: May 2, 2023

⚠ To be end-of-service on: Dec 31, 2030

Main

| | |
|------------------------------|--|
| Range Of Product | Altistart 48 |
| Product Or Component Type | Soft starter |
| Product Destination | Asynchronous motors |
| Product Specific Application | Heavy duty industry and pumps |
| Device Short Name | ATS48 |
| Utilisation Category | AC-53A |
| Ue Power Supply Voltage | 208...690 V - 15...10 % |
| Power Supply Frequency | 50...60 Hz - 5...5 % |
| Motor Power Kw | 110 kW at 400 V for standard applications 110 kW at 440 V for standard applications 110 kW at 500 V for severe applications 110 kW at 525 V for severe applications 132 kW at 500 V for standard applications 132 kW at 525 V for standard applications 132 kW at 660 V for severe applications 160 kW at 660 V for standard applications 160 kW at 690 V for severe applications 200 kW at 690 V for standard applications 45 kW at 230 V for severe applications 55 kW at 230 V for standard applications 90 kW at 400 V for severe applications 90 kW at 440 V for severe applications |
| Motor Power Hp | 125 hp at 460 V for severe applications 150 hp at 460 V for standard applications 150 hp at 575 V for severe applications 200 hp at 575 V for standard applications 50 hp at 208 V for severe applications 60 hp at 208 V for standard applications 60 hp at 230 V for severe applications 75 hp at 230 V for standard applications |

Complementary

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|-------------------|---|
| Device Connection | In the motor supply line |
| Protection Type | Phase failure: line Thermal protection: motor Thermal protection: starter |
| Standards | EN/IEC 60947-4-2 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|-----------------------------|---|
| Product Certifications | DNV GOST SEPRO TCF UL CCC NOM 117 C-Tick CSA |
| Marking | CE |
| Discrete Input Number | 5 |
| Discrete Input Type | PTC, 750 Ohm at 25 °C (Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm |
| Discrete Input Logic | Positive logic Stop, Run, LI3, LI4 at State 0: < 5 V and <= 2 mA at State 1: > 11 V, >= 5 mA |
| Minimum Switching Current | 10 mA at 6 V DC for relay outputs |
| Discrete Output Number | 2 |
| Discrete Output Type | (LO1) logic output 0 V common configurable (LO2) logic output 0 V common configurable (R1) relay outputs fault relay NO (R2) relay outputs end of starting relay NO (R3) relay outputs motor powered NO |
| Analogue Output Type | Current output AO: 0-20 mA or 4-20 mA, impedance <500 Ohm |
| Communication Port Protocol | Modbus |
| Connector Type | 1 RJ45 |
| Communication Data Link | Serial |
| Physical Interface | RS485 multidrop |
| Transmission Rate | 4800, 9600 or 19200 bps |
| Function Available | External bypass (optional) |
| Operating Position | Vertical +/- 10 degree |
| Height | 380 mm |
| Width | 320 mm |
| Depth | 265 mm |
| Net Weight | 18.2 kg |

Environment

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|---------------------------------------|--|
| Electromagnetic Compatibility | Conducted and radiated emissions level A conforming to IEC 60947-4-2 Damped oscillating waves level 3 conforming to IEC 61000-4-12 Electrostatic discharge level 3 conforming to IEC 61000-4-2 Immunity to electrical transients level 4 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3 Voltage/current impulse level 3 conforming to IEC 61000-4-5 |
| Relative Humidity | 0...95 % without condensation or dripping water conforming to EN/IEC 60068-2-3 |
| Ambient Air Temperature For Operation | 40❖❖60 °C (with current derating of 2 % per °C) -10...40 °C (without derating) |
| Ambient Air Temperature For Storage | -25...70 °C |
| Operating Altitude | <= 1000 m without derating > 1000...2000 m with current derating of 2.2 % per additional 100 m |

Packing Units

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|------------------------|-----|
| Unit Type Of Package 1 | PCE |
|------------------------|-----|

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|------------------------------|-----------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 43.000 cm |
| Package 1 Width | 46.000 cm |
| Package 1 Length | 51.000 cm |
| Package 1 Weight | 23.000 kg |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

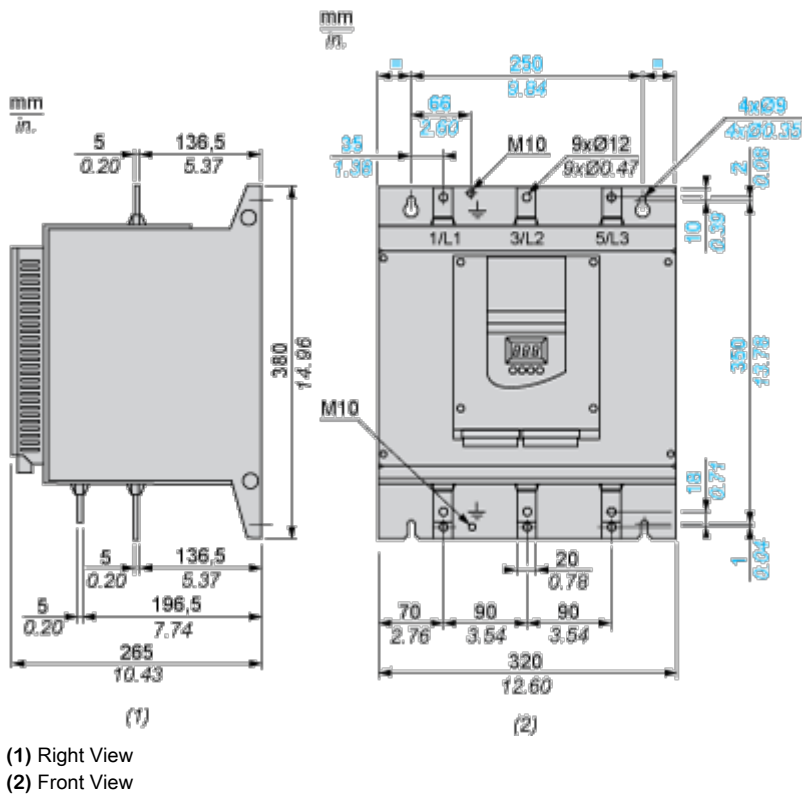
[Guide to assess a product’s sustainability >](#)

Well-being performance

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|--|---|
|  Mercury Free | |
|  Rohs Exemption Information | Yes |
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Dimensions Drawings

Dimensions



(1) Right View
(2) Front View

Mounting and Clearance

Clearance

